



# Jagan Institute of Management Studies

3, Institutional Area, Sector-5, Rohini, Delhi-110085

## Details of laboratories

## Annexure IX-A

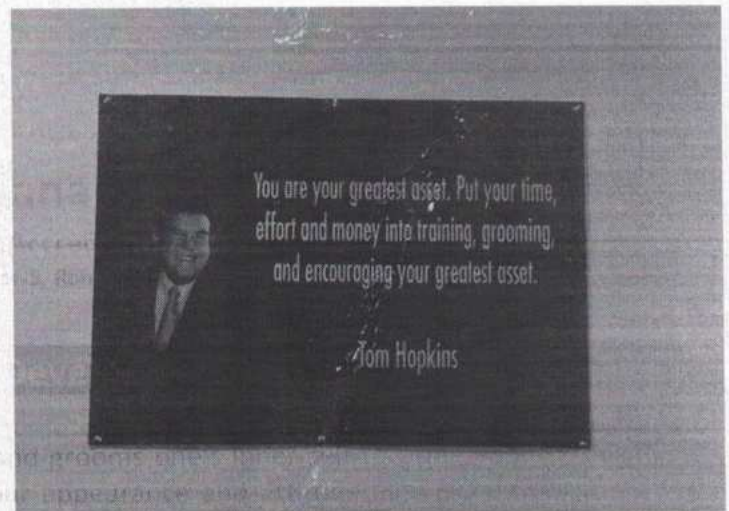




## Personality Development Lab

Personality Development training enhances and grooms one's inner self to bring about a positive change in life. It brings about a change in our appearance and attitude as well. Using the most modern adult learning pedagogy; personality Development training program focuses on making the students ready for corporate life. Following are some of the topics that personality development training entails.

- Self-Awareness
- Time Management
- Goal Setting
- Stress Management
- Leadership Skills
- Team building
- Grooming
- Problem Solving Skills

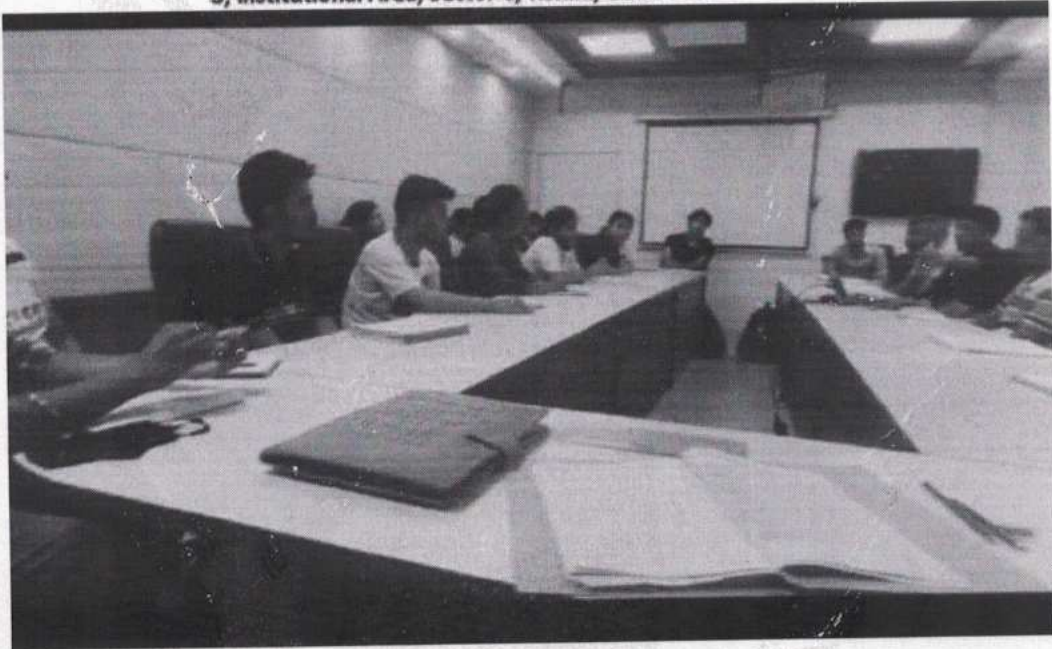




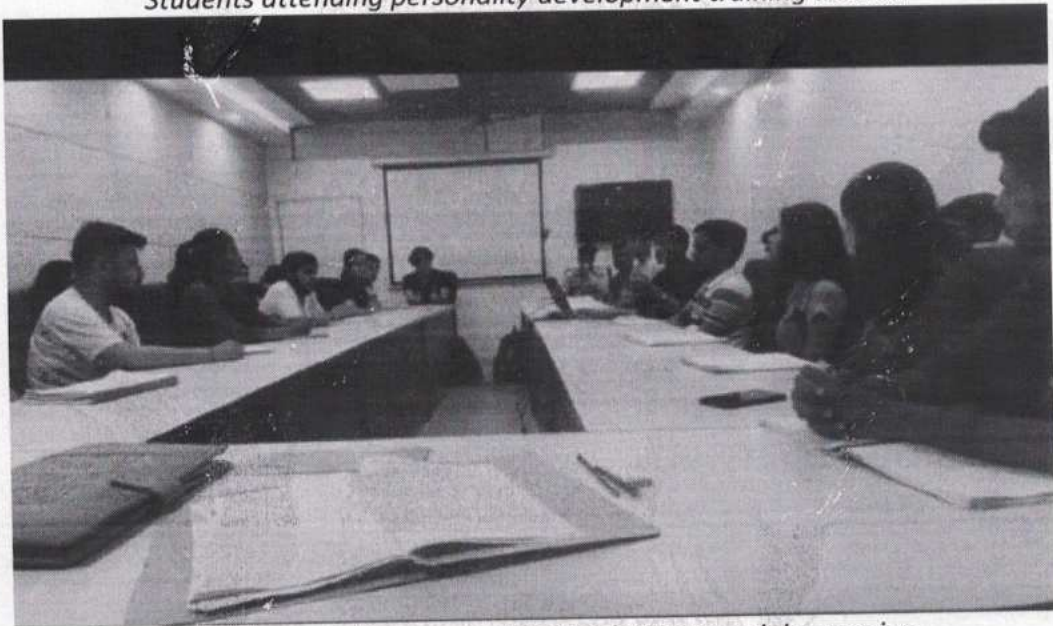
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*Students attending personality development training session*



*Students attending personality development training session*





## Communication Lab

Communication serves as the foundation of every facet of a business. It has become the most important soft skill needed for all employees. The importance of the language laboratory has been felt in the arena of communication. Thereby, the language laboratory helps students in the acquisition and maintenance of oral and written proficiency. It helps one to learn accent, voice modulation, pronunciation, stress and all other aspects of the phonetics of the language. Keeping the above in view, communication language lab is equipped with the below:

### Master Console

This is the master equipment with which the instructor can control the operations of the Language Lab system. It consists of -

- Microprocessor based switching panel with headphone/mike.
- Independent display for requests registering from each student.

### Students Unit

This is the piece of equipment which comes with headphone attached with microphone. One unit is meant for one student.

### Lab

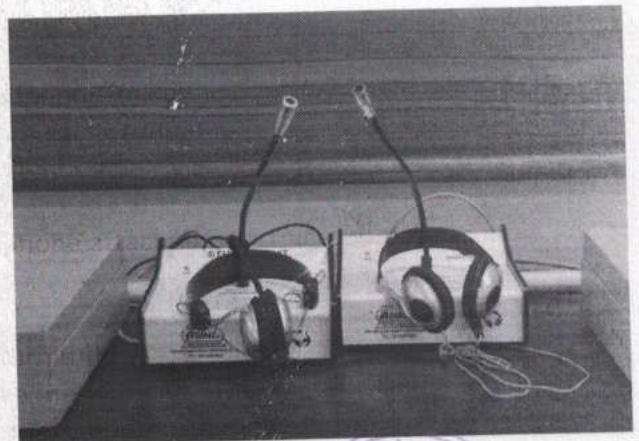
User friendly, features laden & attractive appearance furniture.

**LAN** – The language lab system works on local area networking. The systems are connected through local area networks or audio cabling for the smooth running of the software. LAN connection allows the teacher to see the computer screen of all the students and access them.

**Language learning websites:** It is imperative to make use of the open sources to learn and comprehend the meaning from the available online resources. The following websites are used to train the students to become more fluent.

[englishclub.com](http://englishclub.com)

[grammar-monster.com](http://grammar-monster.com)





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*Students using technology to learn accent, voice modulation, pronunciation, stress and all other aspects of the phonetics of the language*





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*Students using technology to learn accent, voice modulation, pronunciation, stress and all other aspects of the phonetics of the language*





## Robotics Lab

In the present dynamic world, the increased use of Automation and Robotics at various levels of manufacturing and industries, personal and consumer services, security and defence sectors, robotics and other related fields have grown manifolds in India and across the world. In our attempt to fill the gap between growing demand for robotics engineers in India and the lack of such skills amongst the faculty and mentors of our youth, become the part of this robotics revolution which is about to spark off in India

The Robotics Team of Department of Information Technology, JIMS organises Robotics workshop for students from time to time. This workshop is designed for beginners and robotics enthusiasts of all disciplines. The participants would be introduced to the basic fundamentals of robotics and will gain the practical experience thru Hands-on sessions while working on the robotics kits. The workshop would help them to enter the world of robotics and to create an aptitude in the limitless field of robotics. The workshop will also help them to get the feel of robotics and how powerful and exciting it can be.

To ignite the passion of robotics in young minds of the country, we have designed the workshop with creative content and the modules cover all basic concepts that are practically implemented in robotics.





### List of Components available in Robotics Lab

In the present dynamic world, the increased use of Automation and Robotics at various levels of manufacturing and industries, personal and consumer services, security and defence sectors, robotics and other related fields have grown manifolds in India and across the world. In our attempt to fill the gap between growing demand for robotics engineers in India and the lack of such skills amongst the faculty and mentors of our youth, become the part of this robotics revolution which is about to spark off in India

S.No.	Component	Quantity	Remarks
1	Boe-bot complete kits	5	
2	Sumo-bot complete kits	5	1 servo-motor not working
3	LED(Red)	100	
4	LED(green)	100	
5	LED(yellow)	60	
6	LED(bicolor)	30	
7	Rechargeable batteries	48	
8	Battery chargers	2	
9	Resistance (1 kohm)	150	
10	Resistance (220 kohm)	100	
11	Resistance (470 ohm)	120	
12	Resistance (10 kohm)	150	
13	IR sensor	20	
14	IR detector	20	
15	IR emitter	20	
16	Jumper wire	200	
17	Boe & sumo tyre	Nil	Finished in Feb 2020 workshop
18	Screws 7"/8"	10	
19	Screw driver(both sides)	10	
20	Screw driver (big-green ones)	5	
21	Pen attachment	4	
22	Peizo speaker	15	
23	Stand 1 for legs	8	
24	Coaster pin 1/16"	Nil	Finished in Feb 2020 workshop
25	Robo arm	5	2 broken little bit
26	Whisker	10	
27	Push buttons	20	
28	7 segment LED	10	







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29	Remote	8	
30	E-yantra robotic complete kit	1	Received during workshop at IIT Mumbai.





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*Students gaining experimental learning on Robotics*





## Internet of Things (IoT) Lab

Students will be explored in the interconnection and integration of the sensors. They will be learning the design of the hardware and software boards. IoT lab helps students to enhance research activities in different application areas of the IoT domain.

S.No	Equipment name
1	Breadboard
2	Arduino Uno R3
3	5k ohm,330 ohm,10k ohm variable resistor (potentiometer), 1k resistor
4	Jumpers
5	Humidity sensor (DHT22)
6	Temperature sensor (LM35)
7	ULTRASONIC Sensor (HC-SR04)
8	10 Segment LED Bar Graph
9	PIR Sensor (MQ3)
10	Connecting Wires

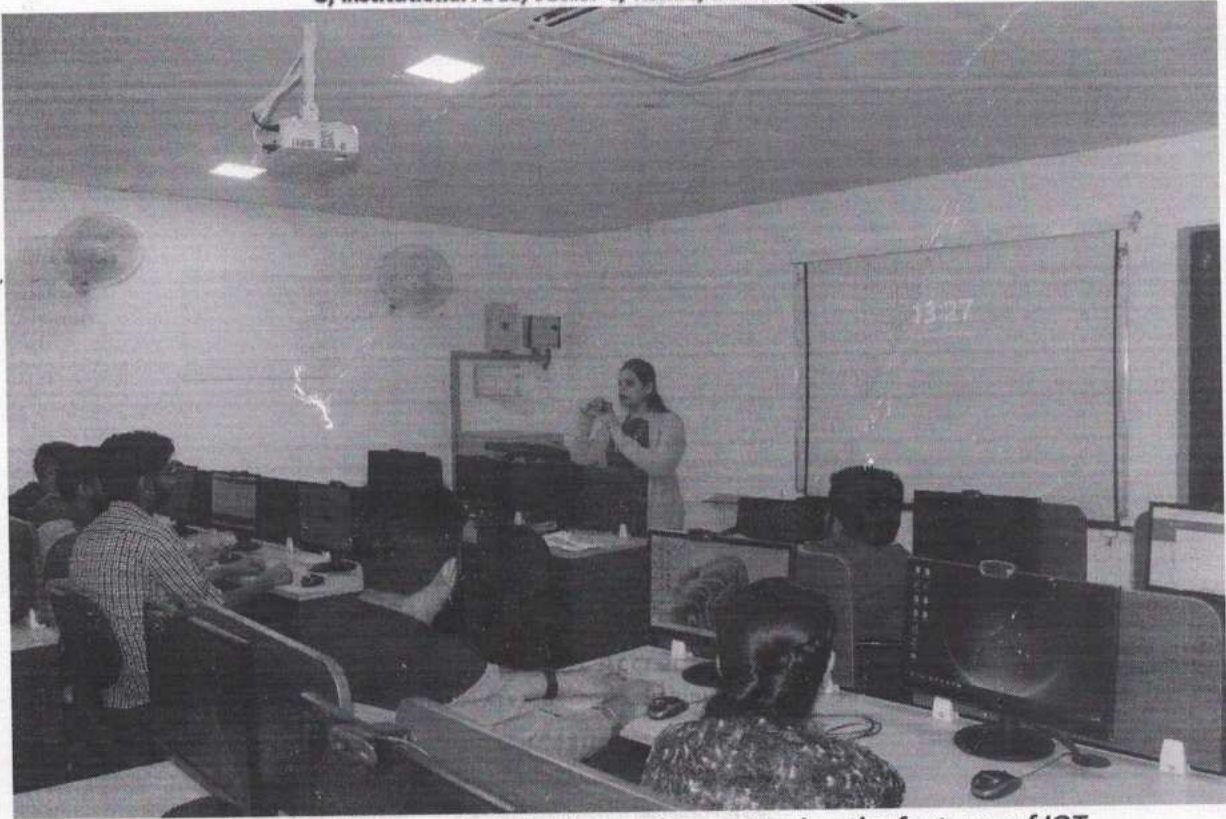




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*Ms. Ankita Chopra, Asst. Professor demonstrating the features of IOT*





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*Students gaining practical knowledge of IOT*

